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United States Patent [19]**Schneider**[11] **Patent Number:** **5,083,638**[45] **Date of Patent:** **Jan. 28, 1992**[54] **AUTOMATED POINT-OF-SALE MACHINE**[76] **Inventor:** **Howard Schneider**, 149 Finchley Road, Montreal, Quebec, Canada, H3X 3A3[21] **Appl. No.:** **584,104**[22] **Filed:** **Sep. 18, 1990**[51] **Int. Cl.:** **A47F 9/04; G01G 19/413**[52] **U.S. Cl.:** **186/61; 177/25.15; 235/383**[58] **Field of Search** **186/61; 235/383; 364/466; 177/25.15, 50**[56] **References Cited****U.S. PATENT DOCUMENTS**

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An automated retail point-of-sale machine is disclosed having the ability to allow consumers to check out their purchases with a minimal of direct human assistance. The machine is designed to work with products whether labelled or not with machine readable bar codes. The machine possess security features which deter customers from fraudulently bagging items by comparing the weight changes on the packing scale with the product number related information in the case of labelled products. In the case of nonlabelled products, experienced customers can identify the product through a series of menu choices while beginner customers can allow the supervisory employee to enter a product number abbreviated code, with additional visual and/or dimensional sensory information of the contents being relayed to a supervisory employee. The machine allows high shopper efficiency by minimizing customer handling of products by positioning the packing scale adjacent to the scanner and typically not requiring further handling of the purchased items until checkout is completed.

13 Claims, 7 Drawing Sheets